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P. 125A

21 January 1958

MEMORANDUM

TO: Chief, TSS/APD/OB

SUBJECT: Projects 125 D, 35mm Time Lapse Camera

Project 167 D, 35mm Camera

Project 129 E, Multiple Exposure Camera, Phase One

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TIME AND PLACE:

January 15, 16 and 17 1958

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ATTENDANCE:

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PURPOSE:

To inspect progress and resolve any changes furthering improvements for reliability of projects.

DISCUSSION:

1. Task III: Work is proceeding satisfactorily toward the target delivery date of January 31, 1958. It appears, however, that while the entire system is operational in the laboratory, some problems still exist in one area - that of shutter drive. The requirement for silent operation has evolved the use of a spring clutch-brake system which has shown some spring failures. [redacted] does not feel that this present arrangement is adequately reliable and is now engaged in modification to the shutter drive so as to improve its reliability. All components such as magazines, lens support, timer, transport drive and exposure control electronic parts have been assembled and tested. Once the shutter spring problem has been overcome, the exposure control can then be mated to that unit and calibrated. Due to these problems a completion date of February 14 would appear more realistic. The task completion to this point is most satisfactory notwithstanding the problems which normally occur in final

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assembly stages. The prototype work has been well handled and consonant with professional production technique.

2. Task IV: The camera body and drive have been reworked in order to eliminate the problems encountered in our first tests. The new cable drive is a great improvement over the earlier one submitted. The expose and transport cycle have been designed to be controlled by a single cable in place of the 3 cable earlier design. The new system also provides for much more rapid cycling than before as a result of the single cable drive. The pocket hand control has also been rebuilt to provide for more reliable and rapid operation. The elimination of the earlier cable bends has also significantly reduced the hand pressure required for camera operation.

[redacted]

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[redacted] This appears to solve the previous problem regarding this factor. The unit has been assembled and is presently being tested. This unit will be ready for schedule delivery on January 24, 1958.

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3. Task V -- Task Report: Due to the fact that [redacted] has not received approval to proceed on this task, no progress can be reported. [redacted] submitted their request for approval to proceed on December 4, 1957. They have received no response to date.

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CONCLUSION:

Although Tasks III and IV have undergone a great amount of reworking in order to deliver these tasks commensurate with the latest state of the art, progress is progressing satisfactorily.

RECOMMENDATIONS:

Do not push [redacted] for a given date for delivery, but aim for a target date within reason. Late delivery of these units has been advantageous to the Government because it has given [redacted] an opportunity to rework and improve upon the original concepts of Tasks III and IV.

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[redacted]

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Distribution:

Orig & 1 - Addressee
 1 - 125 D
 1 - 167 D
 1 - 129 E
 1 - Chrono

TSS/APD/ [redacted] (21 January 1958)

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